

Q1
Ans

- (a) immunizing an animal having B lymphocytes exhibiting a transmembrane signal transduction response of a degree not observed in conventional B lymphocytes, with said antigen to permit said B lymphocytes to produce antibodies to said antigen;
- (b) removing at least a portion of said antibody-producing cells from said animal;
- (c) forming a hybridoma by fusing one of said B lymphocytes with an immortalizing cell wherein said hybridoma is capable of producing a monoclonal antibody to said antigen;
- (d) propagating said hybridoma; and
- (e) harvesting the monoclonal antibodies produced by said hybridoma.

2. (Amended) The method of claim 1, wherein the transmembrane signal transduction response is accompanied by disrupted peripheral tolerance.

Claims 29 and 30 have been added:

Q2

29. (New) A method for producing a monoclonal antibody specific for an antigen, the method comprising:

- (a) immunizing a transgenic mouse overexpressing CD19, and having antibody-producing cells with disrupted peripheral tolerance, with an antigen to permit said antibody-producing cells to produce antibodies to the antigen;
- (b) removing at least a portion of said antibody-producing cells from the mouse;
- (c) forming a hybridoma by fusing one of the antibody-producing cells with an immortalizing cell wherein the hybridoma is capable of producing a monoclonal antibody to the antigen;
- (d) propagating the hybridoma; and
- (e) harvesting the monoclonal antibodies produced by the hybridoma.